DETAILED ACTION

1. Claim 13 has been previously cancelled.

2. Claims 1-12 and 14-35 are allowed.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appear below. Should the change and/or additions be unacceptable to the Applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such amendment, it MUST be submitted no later than the payment of issue fee.

Authorization for examiner's amendment was given in a telephone interview with Wan Yee Cheung, Reg. No. 42,410 on 6/3/2010 to put the case in condition for allowance.

4. The Claims are amended, as presented below, to adopt the changes provided by Applicant's representative on 6/3/2010.

IN THE CLAIMS:

The listings of claims below will replace all prior versions, and listings, of claims in the application as follows:

Please amend claims 1, 12, 18, 21, 25, 30, 32 and 34.

1. (Currently amended) A system for obtaining at least one content file requested by a content user from at least one content provider for remote site downloading at an access point and delivering the at least one content file after arrival of the content user at the access point, the system comprising:

a cache server having:

means ~~to connect~~ for connecting to a data network,

means ~~to download~~ for downloading the at least one content file from the at least one content providers over the data network upon receipt of a proxy,

means ~~to store~~ for storing the at least one downloaded content file, ~~and~~

~~means to locally deliver~~ for locally delivering at the access point the at least one stored content file to the content user which requested the content file,

~~means to dynamically create~~ a processor for dynamically creating a directory for a content user when a content file requested by the content user is downloaded from the content provider, and

~~means to store~~ a memory for storing the downloaded content file in the directory corresponding to the content user.

2. (Previously presented) The system of claim 1 wherein the means to locally deliver the content file comprises a wireless router at the access point.

3. (Previously presented) The system of claim 1 wherein the cache server further comprises:

means to synchronize the downloaded content file to the content user when the content user is at the access point.

4. (Previously presented) The system of claim 1 further comprising means to share stored content files for multiple content users including at least one dynamic user directory.

5. (Original) The system of claim 1 wherein the cache server is a networked set-top box.

6. (Original) The system of claim 1 wherein the proxy is a data set.

7. (Original) The system of claim 1 wherein the proxy is a data set comprising cookies.

8. (Original) The system of claim 1 wherein the proxy is a data set or executable object contained in an e-mail or an instant message received by the cache server.

9. (Previously presented) The system of claim 1 wherein the proxy comprises data identifying the content file, content provider, content user, and/or expected time of arrival at the access point.

10. (Previously presented) The system of claim 1 wherein the means to locally deliver comprises a wireless router or access point bridge at the access point, programming to enable the content user to log in at the access point with a mobile device and, upon authentication of a logged in content user, routing the content file to the content user's mobile device.

11. (Original) The system of claim 1 wherein the cache server is a networked, Internet-enabled digital storage device.

12. (Currently amended) A system for facilitating the transferring of a content file from a content provider to a content user mobile device comprising:

means for generating a proxy that identifies the content file, content provider, and content user; and

means for transmitting the proxy to a cache server at an access point;

a cache server at the access point includes:

means ~~to download~~ for downloading the content file from the content provider according to the transmitted proxy;

means ~~to locally transmit~~ for locally transmitting the content file to a content user mobile device, said means ~~to locally transmit~~ for locally transmitting the content file comprising means in the cache server for receiving and decoding a proxy containing parameters comprising an identification of the content file to be downloaded and the Internet address of the content provider;

means for executing the proxy to download the identified content file from the content provider; and means for transferring the downloaded content file to the content user mobile device at the access point;

~~means~~ a processor for dynamically creating a directory for a content user when a content file requested by the content user is downloaded from the content provider; and

~~means~~ memory for storing the downloaded content file in the directory corresponding to the content user.

13. (Cancelled)

14. (Previously presented) The system of claim 12 further comprising means for obtaining parameters including at least the identity of the content file, the identity of the content provider, and

the identity of the access point having the cache server, wherein the means for providing the proxy comprises means for providing a proxy using the obtained parameters.

15. (Previously presented) The system of claim 12 further comprising means for the content user to pay the content provider and/or a remote downloading service provider for permission to remotely download the content file to the cache server at the access point and/or for locally transferring the content file from the cache server to a mobile device.

16. (Previously presented) The system of claim 14 wherein the means for obtaining parameters comprises means for capturing a request to the cache server to download the content file; and means for extracting at least some of the parameters from the captured request.

17. (Previously presented) The system of claim 12 wherein the means for providing a proxy comprises means for providing a proxy including computer code which, when executed at the access point, causes the content file to be downloaded from the content provider.

18. (Currently amended) A system for facilitating the transferring of a content file from a remote content provider to a cache server over the Internet and for locally transferring the content file to a content user mobile device comprising:

means in the cache server for receiving and decoding a proxy containing parameters comprising an identification of the content file to be downloaded and the Internet address of the content provider;

means for using the proxy to download the identified content file to the cache server; and

means for locally transferring the downloaded content file to the content user mobile device; wherein the cache server comprises:

~~means to dynamically create~~ a processor for dynamically creating a directory for a content user when a content file requested by the content user is downloaded from the content provider; and

~~means to store~~ a memory for storing the downloaded content file in the directory corresponding to the content user.

19. (Previously presented) The system of claim 18 further comprising means for storing the received proxy; wherein the proxy comprises data identifying a time at which the content file is to be downloaded from the content provider; and wherein the means for using the proxy comprises means for using the stored proxy to download the content file from the content provider at the time indicated in the data of the proxy.

20. (Original) The system of claim 18 wherein the means for receiving a proxy comprises means for receiving a proxy containing parameters including content user authentication data required for the content user to synchronize with the cache server and obtain access to the downloaded content file; and wherein the means for using the proxy comprises means for using the user information contained in the proxy to download the identified data from the identified at least one server.

21. (Currently amended) A computer program product comprising a computer ~~usable~~ readable physical storage medium having computer readable code embodied therein, the computer readable code, when executed, causing a computer to implement a method for facilitating the transferring of

a content file from a remote content provider to a cache server at an access point and later to a local content user client device comprising:

providing a proxy that facilitates the downloading of a content file to a cache server from a remote content provider over the Internet using Internet protocol, the proxy containing an identification of the content file; ~~and~~

transmitting the proxy to a cache server capable of using the proxy to download the content file from the remote content provider over the Internet and later locally transfer the

downloaded content file to the client device;

dynamically creating a directory for a content user when a content file requested by the content user is downloaded from the content provider; and

storing the downloaded content file in the directory corresponding to the content user.

22. (Original) The computer program product of claim 21 wherein the implemented method further comprises obtaining parameters including at least the identity of the content file, the identity of the content provider, the identity of the cache server, and identity of the content user; and wherein, in the implemented method, providing a proxy comprises providing a proxy using the obtained parameters.

23. (Original) The computer program product of claim 21 wherein, in the implemented method, obtaining parameters comprises capturing a content user request to the content provider for permission for the cache server to download the identified content file; and extracting at least some of the parameters from the captured request.

24. (Original) The computer program product of claim 21 wherein, in the implemented method, providing a proxy comprises providing a proxy including computer code which, when executed, causes the content file to be downloaded from the content provider.

25. (Currently amended) A method of caching at least one content file at an access point for at least one content user who has requested, prior to being present at the access point, the at least one content file to be downloaded from a content server and stored for delivery when the at least one content user is present at the access point comprising

upon receipt at a cache server of a message containing an identification ~~which identifies a request~~ for the at least one content file ordered by the at least one content user prior to the at least one content user being present at the access point ~~hot spot~~, downloading the at least one content file from the content server;

storing the downloaded content file at the access point;

upon an at least one content user mobile device logging in at the access point, locally transmitting the at least one content file to the at least one content user mobile device;

dynamically creating a directory for a content user when a content file requested by the content user is downloaded from the content provider; and

storing the downloaded content file in the directory corresponding to the content user.

26. (Previously presented) The method of claim 25 wherein the content file is delivered to the content user mobile device when the mobile device has logged in at the access point and the content user mobile device requests the delivery.

27. (Original) The method of claim 25 wherein the mobile device is a wireless enabled personal data assistant or a web-enabled cellular telephone.

28. (Original) The method of claim 25 wherein the message comprises a proxy for an order for the content file.

29. (Previously Presented) A method for facilitating the transfer of a content file from at least one remote content provider server to a content user mobile device comprising:

receiving at an access point wireless network an authenticated download order for a content file request from the content user mobile device,

downloading the content file at the access point wireless local area network,

caching the content file;

dynamically creating a directory for a content user when a content file requested by the content user is downloaded from the content provider,

storing the downloaded content file in the directory corresponding to the content user, and

upon the content user mobile client device signing in to the access point wireless network, delivering the content file to the content user mobile device.

30. (Currently amended) A method for ordering a content file over a first network from a remote content provider at a first time and receiving the content file at a second time over an

access point network comprising:

selecting an access point;

ordering over the first network the content file from the remote content provider server at the first time for downloading at the selected access point;

sending order identification data comprising a URL of the content file and a session specific cookie to the access point; responsive to reception of the order identification data at the selected access point,

downloading the content file from the content provider server;

dynamically creating a directory for a content user when a content file requested by the content user is downloaded from the content provider;

storing the downloaded content file in the directory corresponding to the content user; synchronizing a content user mobile device at the second time to the access point; and

locally transferring the cached content file to the content user mobile device.

31. (Original) The method of claim 30 wherein the session specific cookie comprises the identity of user information and payment status, the previously identified computer using the cookie to cause the data to be transferred from the at least one server to the computer.

32. (Currently amended) A method for facilitating the transferring of a content file from a remote content provider server to a content user mobile device comprising:

providing a proxy that facilitates the downloading of the content file from the content provider server the proxy including at least an identification of the content file;

transmitting the proxy to a cache server at an access point enabled to execute the proxy to download the content file from the remote content provider server,

dynamically creating a directory for a content user when a content file requested by the content user is downloaded from the content provider,

storing the downloaded content file in the directory corresponding to the content user, and

upon the content user mobile device being associated with the access point cache server,

locally transferring the downloaded content file to the content user mobile device.

33. (Previously presented) The method of claim 32 further comprising obtaining parameters including at least the identity of the content file, the identity of the at remote content provider server, the identity of the cache server at the access point, and identity of the content user; and wherein providing a proxy comprises creating a proxy using the obtained parameters.

34. (Currently amended) A method for facilitating the transfer of content file from a remote content provider server to a content user mobile device comprising:

programming in the mobile device which causes the mobile device, in response to content user input, to provide parameters to a cache server, the parameters including at least the identity of the content file to be downloaded and the identity of the content provider server and the cache server,

in response to receiving the parameters provided by the mobile device, using the parameters to cause the identified content file to be downloaded from the remote content provider server, an4

dynamically creating a directory for a content user when a content file requested by the content user is downloaded from the content provider,

storing the downloaded content file in the directory corresponding to the content user, and

in response to a communication received from the mobile device, locally transferring the downloaded content file to the mobile device.

35. (Original) The method of claim 34 further wherein the mobile device contains the programming.

--End--

Allowable Subject Matter

5. The following is an examiner's statement of reasons for allowance:

As applicant pointed out under Remark section, pages 11-16, Milkey et al. (US 2005/0273514 A1), taken either singly and/or in combination with other cited prior arts, do not teach the combined functional limitations of locally transmit the content file to a content user mobile device, locally transmit the content file comprising means in the cache server for receiving and decoding a proxy containing parameters comprising an identification of the content file to be downloaded and the Internet address of the content provider; executing the proxy to download the identified content file from the content provider; and transferring the downloaded content file to the content user mobile device at the access point; dynamically creating a directory for a content user when a content file requested by the content user is downloaded from the content provider; and storing the downloaded content file in the directory corresponding to the content user, as recited in such manners in each of independent claims 1, 12, 18, 21, 25, 29-30, 32 and 34.

Prior arts of record do not teach and/or suggest these claimed limitations, thus, all remaining pending claims 1-12 and 14-35 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to ISAAC T. TECKLU whose telephone number is (571) 272-7957. The examiner can normally be reached on M-TH 9:300A - 8:00P.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam can be reached on (571) 272-3695. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Isaac T Tecklu/
Examiner, Art Unit 2192

/Tuan Q. Dam/
Supervisory Patent Examiner, Art Unit 2192